

LATI Latamid 12 G/50 PA 12, 50% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, 50% Glass Fiber Filled

Material Notes:

Polyamide 12 (PA12) based compound. Glass fibers. Availability: Africa & Middle East; Asia Pacific; Europe; Latin America; North America
Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Latamid-12-G50-PA-12-50-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0055 cm/cm	0.0035 - 0.0055 in/in	
Linear Mold Shrinkage, Transverse	0.0075 - 0.010 cm/cm	0.0075 - 0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.0 MPa	7980 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	80.0 MPa	11600 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	90.0 MPa	13100 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	110 MPa	16000 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	150 MPa	21800 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	4.5 %	4.5 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	6.2 %	6.2 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	6.7 %	6.7 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	

Mechanical Properties	Metric	English	Comments
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	8.6 %	8.6 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Elongation at Yield	6.0 %	6.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Tensile Modulus	3.30 GPa	479 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	4.30 GPa	624 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	5.10 GPa	740 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	6.30 GPa	914 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	10.5 GPa	1520 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	10.0 J/cmÂ²	47.6 ft-lb/inÂ²	
Charpy Impact, Notched	1.80 J/cmÂ²	8.57 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 Â°C	248 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	190 Â°C	374 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	185 Â°C	365 Â°F	
Vicat Softening Point	180 Â°C	356 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 240 Â°C	428 - 464 Â°F	
Mold Temperature			

Processing Properties	70.0 - 90.0 A°C Metric	158 - 194 A°F English	Comments
Drying Temperature	70.0 - 90.0 A°C @Time 10800 sec	158 - 194 A°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China